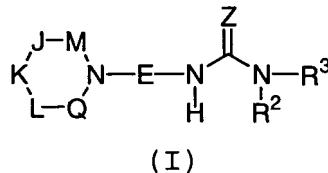


What is Claimed is:

1. A compound of formula (I):



or stereoisomers or pharmaceutically acceptable salts thereof, wherein:

10 M is absent or selected from  $\text{CH}_2$ ,  $\text{CHR}^5$ ,  $\text{CHR}^{13}$ ,  $\text{CR}^{13}\text{R}^{13}$ , and  $\text{CR}^5\text{R}^{13}$ ;

Q is selected from  $\text{CH}_2$ ,  $\text{CHR}^5$ ,  $\text{CHR}^{13}$ ,  $\text{CR}^{13}\text{R}^{13}$ , and  $\text{CR}^5\text{R}^{13}$ ;

15 K is selected from  $\text{CH}_2$ ,  $\text{CHR}^5$  and  $\text{CHR}^6$ ;

J and L are independently selected from  $\text{CH}_2$ ,  $\text{CHR}^5$ ,  $\text{CHR}^6$ ,  $\text{CR}^6\text{R}^6$  and  $\text{CR}^5\text{R}^6$ ;

20 with the provisos:

1) at least one of M, J, K, L, or Q contains an  $\text{R}^5$ ;  
and

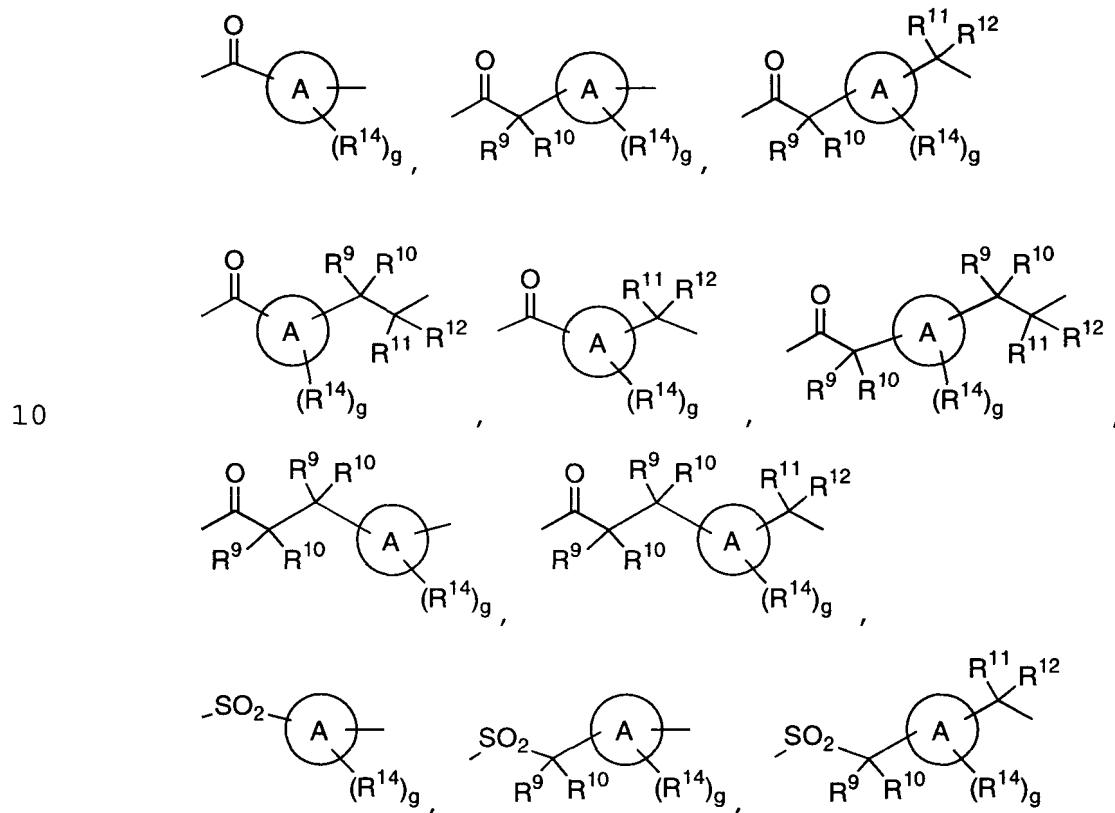
25 2) when M is absent, J is selected from  $\text{CH}_2$ ,  $\text{CHR}^5$ ,  $\text{CHR}^{13}$ , and  $\text{CR}^5\text{R}^{13}$ ;

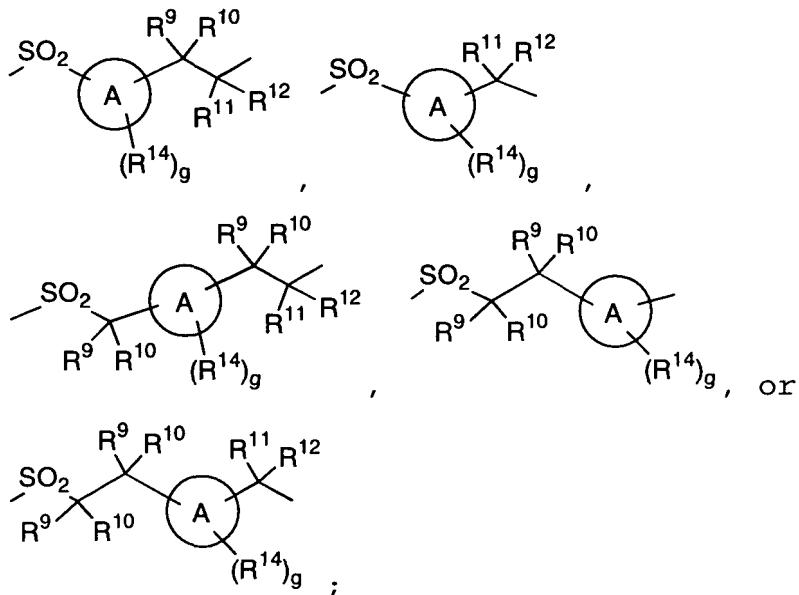
Z is selected from O, S,  $\text{NR}^{1a}$ ,  $\text{C}(\text{CN})_2$ ,  $\text{CH}(\text{NO}_2)$ , and  $\text{CHCN}$ ;

30  $\text{R}^{1a}$  is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl,  $\text{CONR}^{1b}\text{R}^{1b}$ ,  $\text{OR}^{1b}$ , CN,  $\text{NO}_2$ , and  $(\text{CH}_2)_w\text{phenyl}$ ;

$R^{1b}$  is independently selected from H,  $C_{1-3}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl;

5 E is  $-(C=O)-(CR^9R^{10})_v-(CR^{11}R^{12})-$ ,  $-(SO_2)-(CR^9R^{10})_v-$   $(CR^{11}R^{12})-$ ,





5

Ring A is a C<sub>3-8</sub> carbocyclic residue;

R<sup>2</sup> is selected from H, C<sub>1-8</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, and a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>a</sup>;

R<sup>a</sup>, at each occurrence, is selected from C<sub>1-4</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, NO<sub>2</sub>, CN, (CH<sub>2</sub>)<sub>r</sub>NR<sup>b</sup>R<sup>b</sup>, (CH<sub>2</sub>)<sub>r</sub>OH, (CH<sub>2</sub>)<sub>r</sub>OR<sup>c</sup>, (CH<sub>2</sub>)<sub>r</sub>SH, (CH<sub>2</sub>)<sub>r</sub>SRC, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>b</sup>R<sup>b</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>b</sup>C(O)R<sup>b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OR<sup>b</sup>, (CH<sub>2</sub>)<sub>r</sub>OC(O)R<sup>c</sup>, (CH<sub>2</sub>)<sub>r</sub>CH(=NR<sup>b</sup>)NR<sup>b</sup>R<sup>b</sup>, (CH<sub>2</sub>)<sub>r</sub>NHC(=NR<sup>b</sup>)NR<sup>b</sup>R<sup>b</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>p</sub>R<sup>c</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>2</sub>NR<sup>b</sup>R<sup>b</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>b</sup>S(O)<sub>2</sub>R<sup>c</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

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R<sup>b</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl;

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R<sup>c</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl;

R<sup>3</sup> is selected from (CH<sub>2</sub>)<sub>r</sub>N(CH<sub>3</sub>)<sub>2</sub>, a (CR<sup>3'</sup>R<sup>3''</sup>)<sub>r</sub>-C<sub>3-8</sub> carbocyclic residue substituted with 0-5 R<sup>15</sup>; a (CR<sup>3'</sup>R<sup>3''</sup>)<sub>r</sub>-C<sub>9-10</sub> carbocyclic residue substituted with 0-4 R<sup>15</sup>; and a (CR<sup>3'</sup>R<sup>3''</sup>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>15</sup>;

R<sup>3'</sup> and R<sup>3''</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, and phenyl;

R<sup>5</sup> is selected from a (CR<sup>5'</sup>R<sup>5''</sup>)<sub>t</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>16</sup> and a (CR<sup>5'</sup>R<sup>5''</sup>)<sub>t</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>16</sup>;

R<sup>5'</sup> and R<sup>5''</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, and phenyl;

R<sup>6</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, CN, (CH<sub>2</sub>)<sub>r</sub>NR<sup>6a</sup>R<sup>6a'</sup>, (CH<sub>2</sub>)<sub>r</sub>OH, (CH<sub>2</sub>)<sub>r</sub>OR<sup>6b</sup>, (CH<sub>2</sub>)<sub>r</sub>SH, (CH<sub>2</sub>)<sub>r</sub>SR<sup>6b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OH, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>6b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>6a</sup>R<sup>6a'</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>6d</sup>C(O)R<sup>6a</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OR<sup>6b</sup>, (CH<sub>2</sub>)<sub>r</sub>OC(O)R<sup>6b</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>p</sub>R<sup>6b</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>2</sub>NR<sup>6a</sup>R<sup>6a'</sup>,

$(CH_2)_rNR^{6d}S(O)_2R^{6b}$ , and  $(CH_2)_t$ phenyl substituted with 0-3  $R^{6c}$ ;

5  $R^{6a}$  and  $R^{6a'}$ , at each occurrence, are selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{6c}$ ;

10  $R^{6b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{6c}$ ;

15  $R^{6c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ ,  $(CH_2)_rSC_{1-5}$  alkyl, and  $(CH_2)_rNR^{6d}R^{6d}$ ;

20  $R^{6d}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

25 with the proviso that when any of J, K, or L is  $CR^{6e}R^6$  and  $R^6$  is halogen, cyano, nitro, or bonded to the carbon to which it is attached through a heteroatom, the other  $R^6$  is not halogen, cyano, or bonded to the carbon to which it is attached through a heteroatom;

30  $R^9$ , is selected from H,  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl, F, Cl, Br, I,  $NO_2$ , CN,  $(CHR')_rOH$ ,  $(CH_2)_rOR^{9d}$ ,  $(CH_2)_rSR^{9d}$ ,  $(CH_2)_rNR^{9a}R^{9a'}$ ,  $(CH_2)_rC(O)OH$ ,  $(CH_2)_rC(O)R^{9b}$ ,  $(CH_2)_rC(O)NR^{9a}R^{9a'}$ ,  $(CH_2)_rNR^{9a}C(O)R^{9a}$ ,  $(CH_2)_rNR^{9a}C(O)H$ ,  $(CH_2)_rC(O)OR^{9b}$ ,  $(CH_2)_rOC(O)R^{9b}$ ,  $(CH_2)_rOC(O)NR^{9a}R^{9a'}$ ,  $(CH_2)_rNR^{9a}C(O)OR^{9b}$ ,

$(CH_2)_rS(O)_pR^{9b}$ ,  $(CH_2)_rS(O)_2NR^{9a}R^{9a'}$ ,  
 $(CH_2)_rNR^{9a}S(O)_2R^{9b}$ ,  $C_{1-6}$  haloalkyl,  $a$   $(CH_2)_r-C_{3-10}$   
 carbocyclic residue substituted with 0-5  $R^{9c}$ , and a  
 $(CH_2)_r-5-10$  membered heterocyclic system containing  
 5 1-4 heteroatoms selected from N, O, and S,  
 substituted with 0-3  $R^{9c}$ ;

$R^{9a}$  and  $R^{9a'}$ , at each occurrence, are selected from H,  
 $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl,  $a$   $(CH_2)_r-C_{3-10}$   
 carbocyclic residue substituted with 0-5  $R^{9e}$ ,  
 and a  $(CH_2)_r-5-10$  membered heterocyclic system  
 containing 1-4 heteroatoms selected from N, O, and  
 S, substituted with 0-3  $R^{9e}$ ;

15 alternatively,  $R^{9a}$  and  $R^{9a'}$ , along with the N to which  
 they are attached, join to form a 5-6 membered  
 heterocyclic system containing 1-2 heteroatoms  
 selected from  $NR^{9g}$ , O, and S and optionally fused  
 with a benzene ring or a 6-membered aromatic  
 20 heterocycle;

$R^{9b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  
 $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl,  $a$   $(CH_2)_r-C_{3-6}$  carbocyclic  
 residue substituted with 0-2  $R^{9e}$ , and a  $(CH_2)_r-5-6$   
 25 membered heterocyclic system containing 1-4  
 heteroatoms selected from N, O, and S, substituted  
 with 0-3  $R^{9e}$ ;

$R^{9c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  
 30  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  
 Cl, Br, I, F,  $(CF_2)_rCF_3$ ,  $NO_2$ , CN,  $(CH_2)_rNR^{9f}R^{9f}$ ,  
 $(CH_2)_rOH$ ,  $(CH_2)_rOR^{9b}$ ,  $(CH_2)_rSR^{9b}$ ,  $(CH_2)_rC(O)OH$ ,  
 $(CH_2)_rC(O)R^{9b}$ ,  $(CH_2)_rC(O)NR^{9f}R^{9f}$ ,  $(CH_2)_rNR^{9f}C(O)R^{9a}$ ,

(CH<sub>2</sub>)<sub>r</sub>C(O)OR<sup>9b</sup>, (CH<sub>2</sub>)<sub>r</sub>OC(O)R<sup>9b</sup>,  
(CH<sub>2</sub>)<sub>r</sub>C(=NR<sup>9f</sup>)NR<sup>9f</sup>R<sup>9f</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>p</sub>R<sup>9b</sup>,  
(CH<sub>2</sub>)<sub>r</sub>NHC(=NR<sup>9f</sup>)NR<sup>9f</sup>R<sup>9f</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>2</sub>NR<sup>9f</sup>R<sup>9f</sup>,  
(CH<sub>2</sub>)<sub>r</sub>NR<sup>9f</sup>S(O)<sub>2</sub>R<sup>9b</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted  
5 with 0-3 R<sup>9e</sup>;

R<sup>9d</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> alkenyl, C<sub>3-6</sub> alkynyl, a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>9c</sup>, and a 5-6 membered  
10 heterocyclic system containing 1-4 heteroatoms selected from the group consisting of N, O, and S substituted with 0-3 R<sup>9c</sup>;

R<sup>9e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>9f</sup>R<sup>9f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl, wherein the phenyl on the  
20 (CH<sub>2</sub>)<sub>r</sub>phenyl is substituted with 0-5 substituents selected from F, Cl, Br, I, NO<sub>2</sub>, C<sub>1-6</sub>alkyl, OH, and NR<sup>9f</sup>R<sup>9f</sup>;

R<sup>9f</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;  
25 R<sup>9g</sup> is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, (CH<sub>2</sub>)<sub>r</sub>phenyl, C(O)R<sup>9f</sup>, C(O)OR<sup>9h</sup>, and SO<sub>2</sub>R<sup>9h</sup>;

R<sup>9h</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, and  
30 C<sub>3-6</sub> cycloalkyl;

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$R^{10}$ , is selected from H,  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl, F, Cl, Br, I,  $NO_2$ , CN,  $(CHR')_rOH$ ,  $(CH_2)_rOR^{10d}$ ,  $(CH_2)_rSR^{10d}$ ,  $(CH_2)_rNR^{10a}R^{10a'}$ ,  $(CH_2)_rC(O)OH$ ,  $(CH_2)_rC(O)R^{10b}$ ,  $(CH_2)_rC(O)NR^{10a}R^{10a'}$ ,  
5  $(CH_2)_rNR^{10a}C(O)R^{10a}$ ,  $(CH_2)_rNR^{10a}C(O)H$ ,  
 $(CH_2)_rC(O)OR^{10b}$ ,  $(CH_2)_rOC(O)R^{10b}$ ,  
 $(CH_2)_rOC(O)NR^{10a}R^{10a'}$ ,  $(CH_2)_rNR^{10a}C(O)OR^{10b}$ ,  
 $(CH_2)_rS(O)_pR^{10b}$ ,  $(CH_2)_rS(O)_2NR^{10a}R^{10a'}$ ,  
 $(CH_2)_rNR^{10a}S(O)_2R^{10b}$ ,  $C_{1-6}$  haloalkyl, a  $(CH_2)_r-C_{3-10}$   
10 carbocyclic residue substituted with 0-5  $R^{10c}$ , and  
a  $(CH_2)_r$ -5-10 membered heterocyclic system  
containing 1-4 heteroatoms selected from N, O, and  
S, substituted with 0-3  $R^{10c}$ ;

15  $R^{10a}$  and  $R^{10a'}$ , at each occurrence, are selected from H,  
 $C_{1-6}$  alkyl,  $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r-C_{3-10}$   
carbocyclic residue substituted with 0-5  $R^{10e}$ ,  
and a  $(CH_2)_r$ -5-10 membered heterocyclic system  
containing 1-4 heteroatoms selected from N, O, and  
20 S, substituted with 0-3  $R^{10e}$ ;

25 alternatively,  $R^{10a}$  and  $R^{10a'}$ , along with the N to which  
they are attached, jointo form a 5-6 membered  
heterocyclic system containing 1-2 heteroatoms  
selected from  $NR^{10g}$ , O, and S and optionally fused  
with a benzene ring or a 6-membered aromatic  
heterocycle;

30  $R^{10b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  
 $C_{3-8}$  alkenyl,  $C_{3-8}$  alkynyl, a  $(CH_2)_r-C_{3-6}$  carbocyclic  
residue substituted with 0-2  $R^{10e}$ , and a  $(CH_2)_r$ -5-6  
membered heterocyclic system containing 1-4

heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>10e</sup>;

5 R<sup>10c</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, NO<sub>2</sub>, CN, (CH<sub>2</sub>)<sub>r</sub>NR<sup>10f</sup>R<sup>10f</sup>, (CH<sub>2</sub>)<sub>r</sub>OH, (CH<sub>2</sub>)<sub>r</sub>OR<sup>10b</sup>, (CH<sub>2</sub>)<sub>r</sub>SR<sup>10b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OH, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>10b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>10f</sup>R<sup>10f</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>10f</sup>C(O)R<sup>10a</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OR<sup>10b</sup>, (CH<sub>2</sub>)<sub>r</sub>OC(O)R<sup>10b</sup>, 10 (CH<sub>2</sub>)<sub>r</sub>C(=NR<sup>10f</sup>)NR<sup>10f</sup>R<sup>10f</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>p</sub>R<sup>10b</sup>, (CH<sub>2</sub>)<sub>r</sub>NHC(=NR<sup>10f</sup>)NR<sup>10f</sup>R<sup>10f</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>2</sub>NR<sup>10f</sup>R<sup>10f</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>10f</sup>S(O)<sub>2</sub>R<sup>10b</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with 0-3 R<sup>10e</sup>;

15 R<sup>10d</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> alkenyl, C<sub>3-6</sub> alkynyl, and a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>10c</sup>;

20 R<sup>10e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>10f</sup>R<sup>10f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

25 R<sup>10f</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

30 R<sup>10g</sup> is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, (CH<sub>2</sub>)<sub>r</sub>phenyl, C(O)R<sup>10f</sup>, SO<sub>2</sub>R<sup>10h</sup>, and C(O)O R<sup>10h</sup>;

R<sup>10h</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl;

alternatively, R<sup>9</sup> and R<sup>10</sup> join to form =O, a C<sub>3-10</sub> cycloalkyl, a 5-6-membered lactone or lactam, or a 4-6-membered saturated heterocycle containing 1-2 heteroatoms selected from O, S, and NR<sup>10g</sup> and 5 optionally fused with a benzene ring or a 6-membered aromatic heterocycle;

10 with the proviso that when either of R<sup>9</sup> or R<sup>10</sup> is bonded to the carbon to which it is attached through a heteroatom, then the other of R<sup>9</sup> or R<sup>10</sup> is not halogen, cyano, or bonded to the carbon to which it is attached through a heteroatom;

15 R<sup>11</sup>, is selected from H, C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CR'R<sup>17</sup>)<sub>q</sub>OH, (CH<sub>2</sub>)<sub>q</sub>SH, (CR'R<sup>17</sup>)<sub>q</sub>OR<sup>11d</sup>, (CH<sub>2</sub>)<sub>q</sub>SR<sup>11d</sup>, (CR'R<sup>17</sup>)<sub>q</sub>NR<sup>11a</sup>R<sup>11a'</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OH, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>11b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>11a</sup>R<sup>11a'</sup>, 20 (CH<sub>2</sub>)<sub>q</sub>NR<sup>11a</sup>C(O)R<sup>11a</sup>, (CH<sub>2</sub>)<sub>q</sub>OC(O)NR<sup>11a</sup>R<sup>11a'</sup>, (CH<sub>2</sub>)<sub>q</sub>NR<sup>11a</sup>C(O)OR<sup>11b</sup>, (CH<sub>2</sub>)<sub>q</sub>NR<sup>11a</sup>C(O)NHR<sup>11a</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OR<sup>11b</sup>, (CH<sub>2</sub>)<sub>q</sub>OC(O)R<sup>11b</sup>, (CH<sub>2</sub>)<sub>q</sub>S(O)<sub>p</sub>R<sup>11b</sup>, (CH<sub>2</sub>)<sub>q</sub>S(O)<sub>2</sub>NR<sup>11a</sup>R<sup>11a'</sup>, (CH<sub>2</sub>)<sub>q</sub>NR<sup>11a</sup>S(O)<sub>2</sub>R<sup>11b</sup>, C<sub>1-6</sub> 25 haloalkyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>11c</sup>, and a (R'R<sup>17</sup>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11c</sup>;

30 R<sup>11a</sup> and R<sup>11a'</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>11e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system

containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;

alternatively, R<sup>11a</sup> and R<sup>11a'</sup> along with the N to which  
5 they are attached, jointo form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from NR<sup>11g</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;

10 R<sup>11b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-2 R<sup>11e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>11e</sup>;

15 R<sup>11c</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, NO<sub>2</sub>, CN, (CH<sub>2</sub>)<sub>r</sub>NR<sup>11f</sup>R<sup>11f</sup>, (CH<sub>2</sub>)<sub>r</sub>OH, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-4</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-4</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>C(O)OH, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>11b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>11f</sup>R<sup>11f</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>11f</sup>C(O)R<sup>11a</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)OC<sub>1-4</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>OC(O)R<sup>11b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(=NR<sup>11f</sup>)NR<sup>11f</sup>R<sup>11f</sup>, (CH<sub>2</sub>)<sub>r</sub>NHC(=NR<sup>11f</sup>)NR<sup>11f</sup>R<sup>11f</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>p</sub>R<sup>11b</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>2</sub>NR<sup>11f</sup>R<sup>11f</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>11f</sup>S(O)<sub>2</sub>R<sup>11b</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with 0-3 R<sup>11e</sup>;

20 R<sup>11d</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> alkenyl, C<sub>3-6</sub> alkynyl, and a C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>11c</sup>;

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$R^{11e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl, OH, SH,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{11f}R^{11f}$ , and  $(CH_2)_r$ phenyl, wherein the phenyl on the  $(CH_2)_r$ phenyl is substituted with 0-5 substituents selected from F, Cl, Br, I,  $NO_2$ ,  $C_{1-6}$ alkyl, OH, and  $NR^{9f}R^{9f}$ ;

5

$R^{11f}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

10

$R^{11g}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $(CH_2)_r$ phenyl,  $C(O)R^{11f}$ ,  $C(O)OR^{11h}$ , and  $SO_2R^{11h}$ ;

15

$R^{11h}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

20

$R^{12}$ , is selected from H,  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CHR')_qOH$ ,  $(CH_2)_qSH$ ,  $(CHR')_qOR^{12d}$ ,  $(CH_2)_qSR^{12d}$ ,  $(CHR')_qNR^{12a}R^{12a'}$ ,  $(CH_2)_rC(O)OH$ ,  $(CH_2)_rC(O)R^{12b}$ ,  $(CH_2)_rC(O)NR^{12a}R^{12a'}$ ,  $(CH_2)_qNR^{12a}C(O)R^{12a}$ ,  $(CH_2)_rOC(O)NR^{12a}R^{12a'}$ ,  $(CH_2)_rNR^{12a}C(O)OR^{12b}$ ,  $(CH_2)_qNR^{12a}C(O)NHR^{12a}$ ,  $(CH_2)_rC(O)OR^{12b}$ ,  $(CH_2)_qOC(O)R^{12b}$ ,  $(CH_2)_qS(O)_pR^{12b}$ ,  $(CH_2)_qS(O)_2NR^{12a}R^{12a'}$ ,  $(CH_2)_qNR^{12a}S(O)_2R^{12b}$ ,  $C_{1-6}$  haloalkyl, a  $(CH_2)_r-C_{3-10}$  carbocyclic residue substituted with 0-5  $R^{12c}$ , and a  $(R'R^{17})_r-5-10$  membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{12c}$ ;

25

30

5         $R^{12a}$  and  $R^{12a'}$ , at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a  $(CH_2)_r-C_3-10$  carbocyclic residue substituted with 0-5  $R^{12e}$ , and a  $(CH_2)_r$ -5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{12e}$ ;

10        alternatively,  $R^{12a}$  and  $R^{12a'}$ , along with the N to which they are attached, jointo form a 5-6 membered heterocyclic system containing 1-2 heteroatoms selected from NR<sup>12g</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;

15         $R^{12b}$ , at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a  $(CH_2)_r-C_3-6$  carbocyclic residue substituted with 0-2  $R^{12e}$ , and a  $(CH_2)_r$ -5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3  $R^{12e}$ ;

20         $R^{12c}$ , at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl,  $(CH_2)_rC_3-6$  cycloalkyl, Cl, Br, I, F,  $(CF_2)_rCF_3$ , NO<sub>2</sub>, CN,  $(CH_2)_rNR^{12f}R^{12f}$ ,  $(CH_2)_rOH$ ,  $(CH_2)_rOC_{1-4}$  alkyl,  $(CH_2)_rSC_{1-4}$  alkyl,  $(CH_2)_rC(O)OH$ ,  $(CH_2)_rC(O)R^{12b}$ ,  $(CH_2)_rC(O)NR^{12f}R^{12f}$ ,  $(CH_2)_rNR^{12f}C(O)R^{12a}$ ,  $(CH_2)_rC(O)OC_{1-4}$  alkyl,  $(CH_2)_rOC(O)R^{12b}$ ,  $(CH_2)_rC(=NR^{12f})NR^{12f}R^{12f}$ ,  $(CH_2)_rNHC(=NR^{12f})NR^{12f}R^{12f}$ ,  $(CH_2)_rS(O)_pR^{12b}$ ,  $(CH_2)_rS(O)_2NR^{12f}R^{12f}$ ,  $(CH_2)_rNR^{12f}S(O)_2R^{12b}$ , and  $(CH_2)_r$ phenyl substituted with 0-3  $R^{12e}$ ;

$R^{12d}$ , at each occurrence, is selected from methyl,  $CF_3$ ,  $C_{2-6}$  alkyl substituted with 0-3  $R^{12e}$ ,  $C_{3-6}$  alkenyl,  $C_{3-6}$  alkynyl, and a  $C_{3-10}$  carbocyclic residue substituted with 0-3  $R^{12c}$ ;

5

$R^{12e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl, OH, SH,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{12f}R^{12f}$ , and  $(CH_2)_rphenyl$ ;

10

$R^{12f}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

15

$R^{12g}$  is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl,  $(CH_2)_rphenyl$ ,  $C(O)R^{12f}$ ,  $C(O)OR^{12h}$ , and  $SO_2R^{12h}$ ;

$R^{12h}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

20

alternatively,  $R^{11}$  and  $R^{12}$  join to form a  $C_{3-10}$  cycloalkyl, a 5-6-membered lactone or lactam, or a 4-6-membered saturated heterocycle containing 1-2 heteroatoms selected from O, S, and  $NR^{11g}$  and 25 optionally fused with a benzene ring or a 6-membered aromatic heterocycle;

$R^{13}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $C_{3-6}$  cycloalkyl,  $(CF_2)_wCF_3$ ,  $(CH_2)_qNR^{13a}R^{13a'}$ ,  $(CHR')_qOH$ ,  $(CH_2)_qOR^{13b}$ ,  $(CH_2)_qSH$ ,  $(CH_2)_qSR^{13b}$ ,  $(CH_2)_wC(O)OH$ ,  $(CH_2)_wC(O)R^{13b}$ ,  $(CH_2)_wC(O)NR^{13a}R^{13a'}$ ,  $(CH_2)_qNR^{13d}C(O)R^{13a}$ ,

$(CH_2)_wC(O)OR^{13b}$ ,  $(CH_2)_qOC(O)R^{13b}$ ,  $(CH_2)_wS(O)_pR^{13b}$ ,  
 $(CH_2)_wS(O)_2NR^{13a}R^{13a'}$ ,  $(CH_2)_qNR^{13d}S(O)_2R^{13b}$ , and  
 $(CH_2)_w$ -phenyl substituted with 0-3  $R^{13c}$ ;

5  $R^{13a}$  and  $R^{13a'}$ , at each occurrence, are selected from H,  
 $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl substituted  
with 0-3  $R^{13c}$ ;

10  $R^{13b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  
 $C_{3-6}$  cycloalkyl, and phenyl substituted with 0-3  $R^{13c}$ ;

15  $R^{13c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  
 $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  
 $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ ,  $(CH_2)_rSC_{1-5}$  alkyl, and  
 $(CH_2)_rNR^{13d}R^{13d}$ ;

20  $R^{13d}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  
and  $C_{3-6}$  cycloalkyl;

25  $R^{14}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  
 $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl,  
Cl, Br, I, F,  $NO_2$ , CN,  $(CHR')_rNR^{14a}R^{14a'}$ ,  $(CHR')_rOH$ ,  
 $(CHR')_rO(CHR')_rR^{14d}$ ,  $(CHR')_rSH$ ,  $(CHR')_rC(O)H$ ,  
 $(CHR')_rS(CHR')_rR^{14d}$ ,  $(CHR')_rC(O)OH$ ,  
 $(CHR')_rC(O)(CHR')_rR^{14b}$ ,  $(CHR')_rC(O)NR^{14a}R^{14a'}$ ,  
 $(CHR')_rNR^{14f}C(O)(CHR')_rR^{14b}$ ,  $(CHR')_rOC(O)NR^{14a}R^{14a'}$ ,  
 $(CHR')_rNR^{14f}C(O)O(CHR')_rR^{14b}$ ,  $(CHR')_rC(O)O(CHR')_rR^{14d}$ ,  
 $(CHR')_rOC(O)(CHR')_rR^{14b}$ ,  $(CHR')_rC(=NR^{14f})NR^{14a}R^{14a'}$ ,  
30  $(CHR')_rNHC(=NR^{14f})NR^{14f}R^{14f}$ ,  $(CHR')_rS(O)_p(CHR')_rR^{14b}$ ,  
 $(CHR')_rS(O)_2NR^{14a}R^{14a'}$ ,  $(CHR')_rNR^{14f}S(O)_2(CHR')_rR^{14b}$ ,

C<sub>1-6</sub> haloalkyl, C<sub>2-8</sub> alkenyl substituted with 0-3 R', C<sub>2-8</sub> alkynyl substituted with 0-3 R', (CHR')<sub>r</sub>phenyl substituted with 0-3 R<sup>14e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 5 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>15e</sup>, or two R<sup>14</sup> substituents on adjacent atoms on ring A form to join a 5-6 membered heterocyclic system containing 1-3 heteroatoms selected from N, O, and S substituted 10 with 0-2 R<sup>15e</sup>;

R<sup>14a</sup> and R<sup>14a'</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>14e</sup>, 15 and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>14e</sup>;

R<sup>14b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, 20 C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-3 R<sup>14e</sup>, and (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted 25 with 0-2 R<sup>14e</sup>;

R<sup>14d</sup>, at each occurrence, is selected from C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, methyl, CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>14e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>14e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered 30 heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>14e</sup>;

$R^{14e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{2-8}$  alkenyl,  $C_{2-8}$  alkynyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl, OH, SH,  $(CH_2)_rSC_{1-5}$  alkyl,  $(CH_2)_rNR^{14f}R^{14f}$ , and  $(CH_2)_rphenyl$ ;

$R^{14f}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and phenyl;

10  $R^{15}$ , at each occurrence, is selected from  $C_{1-8}$  alkyl,  $(CH_2)_rC_{3-6}$  cycloalkyl, Cl, Br, I, F,  $NO_2$ , CN,  $(CR'R^{17})_rNR^{15a}R^{15a'}$ ,  $(CR'R^{17})_rOH$ ,  $(CR'R^{17})_rO(CHR')_rR^{15d}$ ,  $(CR'R^{17})_rSH$ ,  $(CR'R^{17})_rC(O)H$ ,  $(CR'R^{17})_rS(CHR')_rR^{15d}$ ,  $(CR'R^{17})_rC(O)OH$ ,  
 15  $(CR'R^{17})_rC(O)(CHR')_rR^{15b}$ ,  $(CR'R^{17})_rC(O)NR^{15a}R^{15a'}$ ,  $(CR'R^{17})_rNR^{15f}C(O)(CHR')_rR^{15b}$ ,  $(CR'R^{17})_rOC(O)NR^{15a}R^{15a'}$ ,  
 $(CR'R^{17})_rNR^{15f}C(O)O(CHR')_rR^{15b}$ ,  $(CR'R^{17})_rNR^{15f}C(O)NR^{15f}R^{15f}$ ,  
 20  $(CR'R^{17})_rC(O)O(CHR')_rR^{15d}$ ,  $(CR'R^{17})_rOC(O)(CHR')_rR^{15b}$ ,  $(CR'R^{17})_rC(=NR^{15f})NR^{15a}R^{15a'}$ ,  
 $(CR'R^{17})_rNHC(=NR^{15f})NR^{15f}R^{15f}$ ,  $(CR'R^{17})_rS(O)_p(CHR')_rR^{15b}$ ,  $(CR'R^{17})_rS(O)_2NR^{15a}R^{15a'}$ ,  
 $(CR'R^{17})_rNR^{15f}S(O)_2(CHR')_rR^{15b}$ ,  $C_{1-6}$  haloalkyl,  $C_{2-8}$  alkenyl substituted with 0-3  $R'$ ,  $C_{2-8}$  alkynyl substituted with 0-3  $R'$ ,  $(CR'R^{17})_rphenyl$  substituted with 0-3  $R^{15e}$ , and a  $(CH_2)_r$ -5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $R^{15e}$ ;

R<sup>15a</sup> and R<sup>15a'</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>15e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>15e</sup>;

5 alternatively, R<sup>15a</sup> and R<sup>15a'</sup>, along with the N to which they are attached, jointo form a 5-6 membered 10 heterocyclic system containing 1-2 heteroatoms selected from NR<sup>15h</sup>, O, and S and optionally fused with a benzene ring or a 6-membered aromatic heterocycle;

15 R<sup>15b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-6</sub> carbocyclic residue substituted with 0-3 R<sup>15e</sup>, and (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>15e</sup>;

20 R<sup>15d</sup>, at each occurrence, is selected from C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, methyl, CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>15e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>15e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>15e</sup>;

25 R<sup>15e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, 2-cyanoethyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl,

(CH<sub>2</sub>)<sub>r</sub>NR<sup>15f</sup>R<sup>15f</sup>, (CH<sub>2</sub>)<sub>r</sub>phenyl, and a heterocycle substituted with 0-1 R<sup>15g</sup>, wherein the heterocycle is selected from imidazole, thiazole, oxazole, pyrazole, 1,2,4-triazole, 1,2,3-triazole, 5 isoxazole, and tetrazole,;

R<sup>15f</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl;

10 R<sup>15g</sup> is selected from methyl, ethyl, acetyl, and CF<sub>3</sub>;

R<sup>15h</sup> is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, (CH<sub>2</sub>)<sub>r</sub>phenyl, C(O)R<sup>15f</sup>, C(O)OR<sup>15i</sup>, and SO<sub>2</sub>R<sup>15i</sup>;

15 R<sup>15i</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl;

R<sup>16</sup>, at each occurrence, is selected from C<sub>1-8</sub> alkyl, 20 C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, Br, I, F, NO<sub>2</sub>, CN, (CHR')<sub>r</sub>NR<sup>16a</sup>R<sup>16a</sup>', (CHR')<sub>r</sub>OH, (CHR')<sub>r</sub>O(CHR')<sub>r</sub>R<sup>16d</sup>, (CHR')<sub>r</sub>SH, (CHR')<sub>r</sub>C(O)H, (CHR')<sub>r</sub>S(CHR')<sub>r</sub>R<sup>16d</sup>, (CHR')<sub>r</sub>C(O)OH, (CHR')<sub>r</sub>C(O)(CHR')<sub>r</sub>R<sup>16b</sup>, (CHR')<sub>r</sub>C(O)NR<sup>16a</sup>R<sup>16a</sup>', 25 (CHR')<sub>r</sub>NR<sup>16f</sup>C(O)(CHR')<sub>r</sub>R<sup>16b</sup>, (CHR')<sub>r</sub>C(O)O(CHR')<sub>r</sub>R<sup>16d</sup>, (CHR')<sub>r</sub>OC(O)(CHR')<sub>r</sub>R<sup>16b</sup>, (CHR')<sub>r</sub>C(=NR<sup>16f</sup>)NR<sup>16a</sup>R<sup>16a</sup>', (CHR')<sub>r</sub>NHC(=NR<sup>16f</sup>)NR<sup>16f</sup>R<sup>16f</sup>, (CHR')<sub>r</sub>S(O)<sub>p</sub>(CHR')<sub>r</sub>R<sup>16b</sup>, (CHR')<sub>r</sub>S(O)<sub>2</sub>NR<sup>16a</sup>R<sup>16a</sup>', (CHR')<sub>r</sub>NR<sup>16f</sup>S(O)<sub>2</sub>(CHR')<sub>r</sub>R<sup>16b</sup>, 30 C<sub>1-6</sub> haloalkyl, C<sub>2-8</sub> alkenyl substituted with 0-3 R', C<sub>2-8</sub> alkynyl substituted with 0-3 R', and (CHR')<sub>r</sub>phenyl substituted with 0-3 R<sup>16e</sup>;

R<sup>16a</sup> and R<sup>16a'</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-5 R<sup>16e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>16e</sup>;

R<sup>16b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, a (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> carbocyclic residue substituted with 0-3 R<sup>16e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>16e</sup>;

R<sup>16d</sup>, at each occurrence, is selected from C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, methyl, CF<sub>3</sub>, C<sub>2-6</sub> alkyl substituted with 0-3 R<sup>16e</sup>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>16e</sup>, and a (CH<sub>2</sub>)<sub>r</sub>-5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-3 R<sup>16e</sup>;

R<sup>16e</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, OH, SH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>NR<sup>16f</sup>R<sup>16f</sup>, and (CH<sub>2</sub>)<sub>r</sub>phenyl;

R<sup>16f</sup>, at each occurrence, is selected from H, C<sub>1-5</sub> alkyl, and C<sub>3-6</sub> cycloalkyl, and phenyl;

R<sup>17</sup>, at each occurrence, is independently selected from H and methyl;

R', at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, C<sub>3-8</sub> alkenyl, C<sub>3-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with R<sup>15e</sup>;

5

g is selected from 0, 1, 2, 3, and 4;

v is selected from 0, 1, and 2;

10 t is selected from 1 and 2;

w is selected from 0 and 1;

r is selected from 0, 1, 2, 3, 4, and 5;

15

q is selected from 1, 2, 3, 4, and 5; and

p is selected from 0, 1, and 2.

20 2. The compound of claim 1, wherein:

Z is selected from O, S, N(CN), and N(CONH<sub>2</sub>);

R<sup>2</sup> is selected from H and C<sub>1-4</sub> alkyl;

25

R<sup>6</sup>, at each occurrence, is selected from C<sub>1-4</sub> alkyl, C<sub>2-8</sub> alkenyl, C<sub>2-8</sub> alkynyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, CN, (CH<sub>2</sub>)<sub>r</sub>OH, (CH<sub>2</sub>)<sub>r</sub>OR<sup>6b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>6b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>6a</sup>R<sup>6a'</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>6d</sup>C(O)R<sup>6a</sup>, and

30 (CH<sub>2</sub>)<sub>t</sub>phenyl substituted with 0-3 R<sup>6c</sup>;

R<sup>6a</sup> and R<sup>6a'</sup>, at each occurrence, are selected from H, C<sub>1-6</sub>

alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl substituted with 0-3 R<sup>6c</sup>;

5 R<sup>6b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl substituted with 0-3 R<sup>6c</sup>;

10 R<sup>6c</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>OH, (CH<sub>2</sub>)<sub>r</sub>SC<sub>1-5</sub> alkyl, and (CH<sub>2</sub>)<sub>r</sub>NR<sup>6d</sup>R<sup>6d</sup>;

15 R<sup>6d</sup>, at each occurrence, is selected from H, C<sub>1-6</sub> alkyl, and C<sub>3-6</sub> cycloalkyl;

20 R<sup>13</sup>, at each occurrence, is selected from C<sub>1-4</sub> alkyl, C<sub>3-6</sub> cycloalkyl, (CH<sub>2</sub>)NR<sup>13a</sup>R<sup>13a'</sup>, (CHR')OH, (CH<sub>2</sub>)OR<sup>13b</sup>, (CH<sub>2</sub>)<sub>w</sub>C(O)R<sup>13b</sup>, (CH<sub>2</sub>)<sub>w</sub>C(O)NR<sup>13a</sup>R<sup>13a'</sup>, (CH<sub>2</sub>)NR<sup>13d</sup>C(O)R<sup>13a</sup>, (CH<sub>2</sub>)<sub>w</sub>S(O)<sub>2</sub>NR<sup>13a</sup>R<sup>13a'</sup>, (CH<sub>2</sub>)NR<sup>13d</sup>S(O)<sub>2</sub>R<sup>13b</sup>, and (CH<sub>2</sub>)<sub>w</sub>-phenyl substituted with 0-3 R<sup>13c</sup>;

25 R<sup>13a</sup> and R<sup>13a'</sup>, at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl substituted with 0-3 R<sup>13c</sup>;

30 R<sup>13b</sup>, at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and phenyl substituted with 0-3 R<sup>13c</sup>;

$R^{13c}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ ,  $(CH_2)_rOC_{1-5}$  alkyl,  $(CH_2)_rOH$ , and  $(CH_2)_rNR^{13d}R^{13d}$ ;

5  $R^{13d}$ , at each occurrence, is selected from H,  $C_{1-6}$  alkyl, and  $C_{3-6}$  cycloalkyl;

$v$  is selected from 0, 1 and 2;

10  $q$  is selected from 1, 2, and 3; and

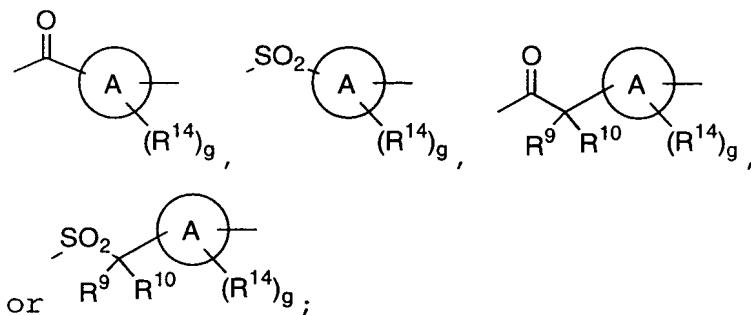
$r$  is selected from 0, 1, 2, and 3.

3. The compound of claim 2, wherein:

15

$E$  is  $-(C=O)-(CR^9R^{10})_v-(CR^{11}R^{12})-$ ,  $-(SO_2)-(CR^9R^{10})_v-$   $(CR^{11}R^{12})-$ ,

20



25

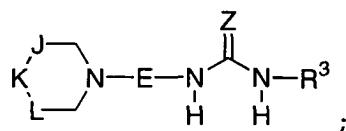
$R^3$  is selected from  $(CH_2)_2N(CH_3)_2$ , a  $(CR^{3'}H)_r$ -carbocyclic residue substituted with 0-5  $R^{15}$ , wherein the carbocyclic residue is selected from phenyl,  $C_{3-6}$  cycloalkyl, naphthyl, and adamantyl; and a  $(CR^{3'}H)_r$ -heterocyclic system substituted with 0-3  $R^{15}$ , wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl, benzimidazolyl, benzothiophenyl,

benzofuranyl, benzoxazolyl, benzisoxazolyl,  
 5 quinolinyl, isoquinolinyl, imidazolyl, indolyl,  
 indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl,  
 piperidinyl, pyrazolyl, 1,2,4-triazolyl, 1,2,3-  
 triazolyl, tetrazolyl, thiadiazolyl, thiazolyl,  
 oxazolyl, pyrazinyl, and pyrimidinyl; and

10  $R^5$  is selected from  $(CR^{5'}H)_t$ -phenyl substituted with 0-5  
 $R^{16}$ ; and a  $(CR^{5'}H)_t$ -heterocyclic system substituted  
 with 0-3  $R^{16}$ , wherein the heterocyclic system is  
 selected from pyridinyl, thiophenyl, furanyl,  
 indazolyl, benzothiazolyl, benzimidazolyl,  
 benzothiophenyl, benzofuranyl, benzoxazolyl,  
 benzisoxazolyl, quinolinyl, isoquinolinyl,  
 15 imidazolyl, indolyl, indolinyl, isoindolyl,  
 isothiadiazolyl, isoxazolyl, piperidinyl,  
 pyrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl,  
 tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl,  
 pyrazinyl, and pyrimidinyl.

20

4. The compound of claim 3, wherein the compound  
 of formula (I) is:



25

$R^{16}$ , at each occurrence, is selected from  $C_{1-8}$  alkyl,  
 $(CH_2)_rC_{3-6}$  cycloalkyl,  $CF_3$ , Cl, Br, I, F,  
 $(CH_2)_rNR^{16a}R^{16a'}$ ,  $NO_2$ , CN, OH,  $(CH_2)_rOR^{16d}$ ,  
 $(CH_2)_rC(O)R^{16b}$ ,  $(CH_2)_rC(O)NR^{16a}R^{16a'}$ ,  
 30  $(CH_2)_rNR^{16f}C(O)R^{16b}$ ,  $(CH_2)_rS(O)_pR^{16b}$ ,  
 $(CH_2)_rS(O)_2NR^{16a}R^{16a'}$ ,  $(CH_2)_rNR^{16f}S(O)_2R^{16b}$ , and  
 $(CH_2)_r$ phenyl substituted with 0-3  $R^{16e}$ ;

$R^{16a}$  and  $R^{16a'}$ , at each occurrence, are selected from H, C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with 0-3  $R^{16e}$ ;

5

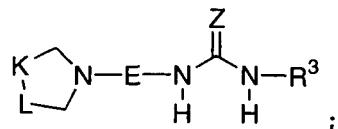
$R^{16b}$ , at each occurrence, is selected from C<sub>1-6</sub> alkyl, C<sub>3-6</sub> cycloalkyl, and (CH<sub>2</sub>)<sub>r</sub>phenyl substituted with 0-3  $R^{16e}$ ;

10  $R^{16d}$ , at each occurrence, is selected from C<sub>1-6</sub> alkyl and phenyl;

15  $R^{16e}$ , at each occurrence, is selected from C<sub>1-6</sub> alkyl, Cl, F, Br, I, CN, NO<sub>2</sub>, (CF<sub>2</sub>)<sub>r</sub>CF<sub>3</sub>, OH, and (CH<sub>2</sub>)<sub>r</sub>OC<sub>1-5</sub> alkyl; and

$R^{16f}$ , at each occurrence, is selected from H, and C<sub>1-5</sub> alkyl.

20 5. The compound of claim 3, wherein the compound formula (I) is:



25

$R^{16}$ , at each occurrence, is selected from C<sub>1-8</sub> alkyl, (CH<sub>2</sub>)<sub>r</sub>C<sub>3-6</sub> cycloalkyl, CF<sub>3</sub>, Cl, Br, I, F, (CH<sub>2</sub>)<sub>r</sub>NR<sup>16a</sup>R<sup>16a'</sup>, NO<sub>2</sub>, CN, OH, (CH<sub>2</sub>)<sub>r</sub>OR<sup>16d</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)R<sup>16b</sup>, (CH<sub>2</sub>)<sub>r</sub>C(O)NR<sup>16a</sup>R<sup>16a'</sup>, (CH<sub>2</sub>)<sub>r</sub>NR<sup>16f</sup>C(O)R<sup>16b</sup>, (CH<sub>2</sub>)<sub>r</sub>S(O)<sub>p</sub>R<sup>16b</sup>,

30

$(CH_2)_rS(O)_2NR^{16a}R^{16a'}$ ,  $(CH_2)_rNR^{16f}S(O)_2R^{16b}$ , and  
 $(CH_2)_r$ phenyl substituted with 0-3  $R^{16e}$ ;

5  $R^{16a}$  and  $R^{16a'}$ , at each occurrence, are selected from H,  
 $C_{1-6}$  alkyl,  $C_{3-6}$  cycloalkyl, and  $(CH_2)_r$ phenyl  
substituted with 0-3  $R^{16e}$ ;

10  $R^{16b}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  
 $C_{3-6}$  cycloalkyl, and  $(CH_2)_r$ phenyl substituted with  
0-3  $R^{16e}$ ;

$R^{16d}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl and  
phenyl;

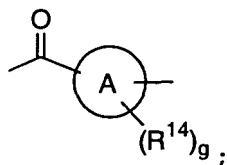
15  $R^{16e}$ , at each occurrence, is selected from  $C_{1-6}$  alkyl,  
Cl, F, Br, I, CN,  $NO_2$ ,  $(CF_2)_rCF_3$ , OH, and  $(CH_2)_rOC_{1-5}$   
alkyl; and

20  $R^{16f}$ , at each occurrence, is selected from H, and  $C_{1-5}$   
alkyl.

6. The compound of claim 4, wherein:

$R^5$  is  $CH_2$ phenyl substituted with 0-3  $R^{16}$ ;

25 E is  $-(C=O)-(CR^9R^{10})_v-(CR^{11}R^{12})-$ , or

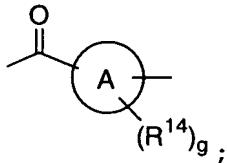


30 r is selected from 0, 1, and 2.

7. The compound of claim 5, wherein:

E is  $-(C=O)-(CR^9R^{10})_v-(CR^{11}R^{12})-$ , or

5



R<sup>5</sup> is CH<sub>2</sub>phenyl substituted with 0-3 R<sup>16</sup>; and

r is selected from 0, 1, and 2.

10

8. The compound of claim 6, wherein:

J is selected from CH<sub>2</sub> and CHR<sup>5</sup>;

15 K is selected from CH<sub>2</sub> and CHR<sup>5</sup>;

L is selected from CH<sub>2</sub> and CHR<sup>5</sup>;

R<sup>3</sup> is a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with

20 0-3 R<sup>15</sup>, wherein the carbocyclic residue is selected from cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, naphthyl and adamantlyl, and a (CR<sup>3</sup>H)<sub>r</sub>-heterocyclic system substituted with 0-3 R<sup>15</sup>, wherein the heterocyclic system is selected 25 from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl, benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, 30 piperidinyl, pyrazolyl, 1,2,4-triazolyl, 1,2,3-

triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl.

9. The compound of claim 7, wherein:

5

K is selected from  $\text{CH}_2$  and  $\text{CHR}^5$ ;

L is selected from  $\text{CH}_2$  and  $\text{CHR}^5$ ; and

10 R<sup>3</sup> is a  $(\text{CH}_2)_r\text{-C}_{3-10}$  carbocyclic residue substituted with 0-3 R<sup>15</sup>, wherein the carbocyclic residue is selected from cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, naphthyl and adamantyl, and a  $(\text{CR}^{3'}\text{H})_r$ -heterocyclic system substituted with 0-3 R<sup>15</sup>, wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl, benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, piperidinyl, pyrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl.

15

20 10. The compound of claim 3, wherein:

25 M is absent or selected from  $\text{CH}_2$ ;

30 Q is  $\text{CH}_2$ ;

J is  $\text{CH}_2$ ;

K and L are independently selected from  $\text{CH}_2$  and  $\text{CHR}^5$ ;

Z is O, S, NCN, or NCONH<sub>2</sub>;

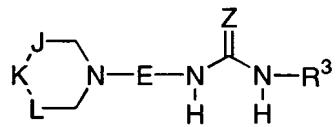
R<sup>1</sup> is H;

5 R<sup>2</sup> is H;

R<sup>3</sup> is selected from a (CH<sub>2</sub>)<sub>r</sub>N(CH<sub>3</sub>)<sub>2</sub>, a (CH<sub>2</sub>)<sub>r</sub>-C<sub>3-10</sub> carbocyclic residue substituted with 0-3 R<sup>15</sup>, wherein the carbocyclic residue is selected from 10 cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, phenyl, naphthyl and adamantyl, and a (CR<sup>3</sup>H)<sub>r</sub>-heterocyclic system substituted with 0-3 R<sup>15</sup>, wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, 15 benzothiazolyl, benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, piperidinyl, pyrazolyl, 1,2,4-triazolyl, 1,2,3-20 triazolyl, tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl; and

R<sup>5</sup> is selected from a CH<sub>2</sub>-phenyl substituted with 0-5 R<sup>16</sup> and a CH<sub>2</sub>-heterocyclic system substituted with 25 0-3 R<sup>16</sup>, wherein the heterocyclic system is selected from pyridinyl, thiophenyl, furanyl, indazolyl, benzothiazolyl, benzimidazolyl, benzothiophenyl, benzofuranyl, benzoxazolyl, benzisoxazolyl, quinolinyl, isoquinolinyl, imidazolyl, indolyl, indolinyl, isoindolyl, isothiadiazolyl, isoxazolyl, piperidinyl, pyrazolyl, 1,2,4-triazolyl, 1,2,3-triazolyl, 30 tetrazolyl, thiadiazolyl, thiazolyl, oxazolyl, pyrazinyl, and pyrimidinyl.

11. The compound of formula (II) of claim 8:



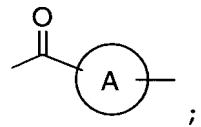
5 (II)

or stereoisomers or pharmaceutically acceptable salts thereof, wherein:

10 J, K, and L are independently selected from  $\text{CH}_2$  and  $\text{CHR}^5$ ;

Z is selected from O, and N(CN);

E is  $-(\text{C}=\text{O})-(\text{CR}^9\text{R}^{10})_v-\text{CR}^{11}\text{R}^{12}-$ , or



15

Ring A is cyclohexyl;

20  $\text{R}^3$  is selected from  $(\text{CH}_2)_r\text{N}(\text{CH}_3)_2$ , cyclopropyl,  $-\text{CH}_2-$  cyclopropyl, phenyl substituted with 0-2  $\text{R}^{15}$ ; and a  $(\text{CH}_2)_r$ -5-10 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2  $\text{R}^{15}$ , wherein the heterocyclic system is selected from morpholinyl, pyridinyl, and

25 thiazolyl;

$\text{R}^5$  is selected from a  $-\text{CH}_2$ -phenyl substituted with 0-2  $\text{R}^{16}$ ;

30  $\text{R}^9$  is selected from H, OH,  $\text{N}(\text{CO})\text{CH}_3$ , and  $\text{NR}^{9a}\text{R}^{9a'}$ ;

R<sup>9a</sup> and R<sup>9a'</sup>, at each occurrence, are selected from H, methyl, ethyl, propyl, butyl, i-butyl;

5 alternatively, R<sup>9</sup> and R<sup>10</sup> join to form cyclohexyl;

R<sup>11</sup> is selected from H, methyl, (CH<sub>2</sub>)<sub>r</sub>CONR<sup>11a</sup>R<sup>11a'</sup>, C(O)OR<sup>11b</sup>, and a (CH<sub>2</sub>)-heterocyclic system, wherein the heterocyclic system is selected from 10 morpholiny1 and piperidiny1;

R<sup>11a</sup> and R<sup>11a'</sup> are independently selected from H, methyl, ethyl, propyl, i-propyl, butyl, i-butyl and t-butyl;

15 alternatively, R<sup>11a</sup> and R<sup>11a'</sup> along with the N to which they are attached, join to form a 5-6 membered heterocyclic system, wherein the heterocyclic system is selected from morpholiny1, piperidiny1, 20 pyrrolidiny1, azapanyl, and N-methylpiperaziny1;

R<sup>11b</sup> is CH<sub>2</sub>-phenyl;

R<sup>11g</sup> is selected from H, methyl, ethyl, propyl, i-propyl, 25 C(O)OR<sup>11h</sup>, and SO<sub>2</sub>R<sup>11h</sup>;

R<sup>11h</sup> is selected from methyl, ethyl, propyl, i-propyl, butyl, i-butyl and t-butyl;

30 R<sup>12</sup> is H;

or alternatively, R<sup>11</sup> and R<sup>12</sup> join to form cyclopropyl, cyclopentyl, cyclohexyl, benzocyclopentyl, benzocyclohexyl, tetrahydropyan, tetrahydrofuran,

or a 5-6-membered saturated heterocycle containing NR<sup>11g</sup> selected from pyrrolidine, and piperidine ring;

5 R<sup>15</sup>, at each occurrence, is selected from methyl, ethyl, propyl, i-propyl, butyl, i-butyl, pentyl, CF<sub>3</sub>, Cl, Br, I, F, NO<sub>2</sub>, CN, OH, OCH<sub>3</sub>, C(O)OR<sup>15b</sup>, C(O)OH, C(O)CH<sub>3</sub>, C(O)NR<sup>15a</sup>R<sup>15a'</sup> and a 5-6 membered heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>15e</sup>, wherein the heterocyclic system is selected from triazolyl, imidazolyl, tetrazolyl, pyrazolyl, oxazolyl, and isoxazolyl;

10

15 R<sup>15a</sup> and R<sup>15a'</sup> are selected from hydrogen, methyl, ethyl, propyl, i-propyl, butyl, t-butyl, and a heterocyclic system containing 1-4 heteroatoms selected from N, O, and S, substituted with 0-2 R<sup>15e</sup>, wherein the heterocyclic system is selected from morpholinyl;

20

R<sup>15b</sup> is selected from methyl and benzyl;

R<sup>15e</sup> is selected from methyl, ethyl and 2-cyanoethyl;

25 R<sup>16</sup>, at each occurrence, is selected from Cl, Br, I, and F,

v is 0 or 1; and

30 r is 0, 1, or 2.

12. The compound of claim 1 wherein the compound is selected from:

N-(3,5-diacetylphenyl)-N'-(3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxopropyl)-urea;

5 N'''-cyano-N-(3,5-diacetylphenyl)-N'-(3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxopropyl)-guanidine;

10 N-(3-acetylphenyl)-N'-(1S,2S)-2-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;

15 N-(3-acetylphenyl)-N'-(1R,2R)-2-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;

20 N-[(1R,2R)-2-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-(3-(1-methyl-1H-tetrazol-5-yl)phenyl)-urea;

N-[(1R,2R)-2-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-(4-(1-methyl-1H-tetrazol-5-yl)phenyl)-urea;

25 N'''-cyano-N-(1R,2R)-2-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-(4-(1-methyl-1H-tetrazol-5-yl)phenyl)-guanidine;

30 N-[(1R,2R)-2-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-(4-pyridinyl)-urea;

N-[(1R,2R)-2-[[3S]-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-[2-(4-morpholinyl)ethyl]-urea;

5 N'''-cyano-N-[(1R,2R)-2-[[3S]-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-guanidine;

10 N-[2-(dimethylamino)ethyl]-N'-[(1R,2R)-2-[[3S]-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;

15 N-(5-acetyl-4-methyl-2-thiazolyl)-N'-[(1R,2R)-2-[[3S]-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;

20 N-(3-acetylphenyl)-N'-[1-[[3S]-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;

25 N-[3,5-bis(1-methyl-1H-tetrazol-5-yl)phenyl]-N'-[(1R,2R)-2-[[3S]-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;

30 N-[3,5-di(1H-imidazol-1-yl)phenyl]-N'-[(1R,2R)-2-[[3S]-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;

N-[3,5-di(1H-1,2,4-triazol-1-yl)phenyl]-N'-[(1R,2R)-2-[[3S]-3-[(4-

fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl  
]-urea;

5 N-(3-acetylphenyl)-N'-(1-[(3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl)cyclopenty  
l]-urea;

10 N-(3-acetylphenyl)-N'-(1-[(3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl)cyclopropy  
l]-urea;

15 N-(3-acetylphenyl)-N'-(2-[(3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl]-2,3-  
dihydro-1H-inden-2-yl]-urea;

20 N-(3-acetylphenyl)-N'-(2-[(3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl)-1,2,3,4-  
tetrahydro-2-naphthalenyl]-urea;

25 N-(5-acetyl-4-methyl-2-thiazolyl)-N'-(1-[(3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl)cyclopropy  
l]-urea;

30 N-(3-acetylphenyl)-N'-(2-[(3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]-2-oxoethyl]-urea;

35 N-[3,5-bis(1-ethyl-1H-tetrazol-5-yl)phenyl]-N'-(1R,2R)-  
2-[(3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl)cyclohexyl  
]-urea;

40 N-[1-[(3S)-3-[(4-  
fluorophenyl)methyl]piperidinyl]carbonyl)cyclopropy  
l]-N'-(3-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;

45

(alpha-1S,3S)-3-[(4-fluorophenyl)methyl]-alpha-[[[[3-(1-methyl-1H-tetrazol-5-yl)phenyl]amino]carbonyl]amino]-gamma-oxo-1-piperidinebutanoic acid, phenylmethyl ester;

5

(alpha-1S,3S)-3-[(4-fluorophenyl)methyl]-N-methyl-alpha-[[[[3-(1-methyl-1H-tetrazol-5-yl)phenyl]amino]carbonyl]amino]-gamma-oxo-1-piperidinebutanamide;

10

N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-1-(4-morpholinylcarbonyl)-3-oxopropyl]-N'-(3-(1-methyl-1H-tetrazol-5-yl)phenyl)-urea;

15

3-[[[[1R,2R)-2-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]amino]carbonyl]amino]-benzoic acid, ethyl ester;

20

3-[[[[1R,2R)-2-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]amino]carbonyl]amino]-benzoic acid;

25

N-[1-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclopropyl-N'-(3-(4-morpholinylcarbonyl)phenyl)-urea;

30

N-[(1R,2R)-2-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-N'-(2-methoxy-5-(1-methyl-1H-tetrazol-5-yl)phenyl)-urea;

35

N-[3-[1-(2-cyanoethyl)-1H-tetrazol-5-yl]phenyl]-N'-(1R,2R)-2-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclohexyl]-urea;

N-[(1R,2R)-2-[([(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl)cyclohexyl]-N'-[3-(1H-tetrazol-5-yl)phenyl]-urea;

5

3-[[[[1-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl)cyclopropyl]amino]carbonyl]amino]-4-methoxy-N-methylbenzamide;

10

N-[[1-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl)cyclopropyl]-N'-[2-methoxy-5-(4-morpholinylcarbonyl)phenyl]-urea;

15

N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxo-1-(1-pyrrolidinylcarbonyl)propyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;

20 - (alpha-1S,3S)-N-(1,1-dimethylethyl)-3-[(4-fluorophenyl)methyl]-alpha-[[[[3-(1-methyl-1H-tetrazol-5-yl)phenyl]amino]carbonyl]amino]-gamma-oxo-1-piperidinebutanamide,

25 N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxo-1-(1-piperidinylcarbonyl)propyl]-N'-[3-(1-methyl-1H-tetrazol-5-yl)phenyl]-urea;

30 N-(3-acetylphenyl)-N'-[(2S)-2-amino-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxopropyl]-urea;

N-(3-acetylphenyl)-N'-[(2R)-2-amino-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-3-oxopropyl]-urea;

3-[[[[1-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]carbonyl]cyclopropyl]amino]carbonyl]amino]-4-methoxybenzamide;

5 N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-1-[(4-methyl-1-piperazinyl)carbonyl]-3-oxopropyl]-N'-(3-(1-methyl-1H-tetrazol-5-yl)phenyl)-urea;

10 N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]-N'-(3-(1-methyl-1H-tetrazol-5-yl)phenyl)-urea;

15 N' '-cyano-N-[(1S)-3-[(3S)-3-[(4-fluorophenyl)methyl]piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]-N'-(3-(1-methyl-1H-tetrazol-5-yl)phenyl)-guanidine

20 3-[(4-fluorophenyl)methyl]-N,N-dimethyl-alpha-[[[[3-(1-methyl-1H-tetrazol-5-yl)phenyl]amino]carbonyl]amino]-gamma-oxo-(alpha-1S,3S)-1-piperidinebutanamide

25 N-[(1S)-1-({[(3-acetylanilino)carbonyl]amino}methyl)-2-[(3S)-3-(4-fluorobenzyl)piperidinyl]-2-oxoethyl]acetamide;

30 N-[(1R)-1-({[(3-acetylanilino)carbonyl]amino}methyl)-2-[(3S)-3-(4-fluorobenzyl)piperidinyl]-2-oxoethyl]acetamide;

35 3-[([(1S)-3-[(3S)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]amino]carbonyl]amino]-N-methylbenzamide;

*N*-(3-chlorophenyl)-*N'*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]urea;

5    *N*-(3-cyanophenyl)-*N'*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]urea;

10    *N*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]-*N'*-(3-methoxyphenyl)urea;

15    *N*-cyclopropyl-*N'*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]urea

20    *N*-(cyclopropylmethyl)-*N'*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]urea;  
benzyl 3-[([(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(4-morpholinylmethyl)-3-oxopropyl]amino}carbonyl]amino]-4-methoxybenzoate;

25    *N*-(5-acetyl-4-methyl-1,3-thiazol-2-yl)-*N'*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxo-1-(1-piperidinylmethyl)propyl]urea;

30    *N*-[(1*S*,2*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-methyl-1-(4-morpholinylcarbonyl)-3-oxopropyl]-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;

35    3-[([(1*S*,2*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-methyl-1-(4-morpholinylcarbonyl)-3-oxopropyl]amino}carbonyl]amino]-*N*-methylbenzamide;

5      *N*-(3,5-diacetylphenyl)-*N'*-{(1*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-methyl-3-oxopropyl}urea;

10     *N*-{(1*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-methyl-3-oxopropyl}-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;

15     *N*-{(2*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-methyl-3-oxopropyl}-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;

20     *N*-(3-acetylphenyl)-*N'*-{(1*S*)-1-[[*tert*-butyl(methyl)amino]methyl]-3-[(3*S*)-3-(4-

25     fluorobenzyl)-1-piperidinyl]-3-oxopropyl}urea;

30     *N*-{(2*R*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-methyl-3-oxopropyl}-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;

35     (2*S*)-*N*-cyclopropyl-4-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-[({{3-(1-methyl-1*H*-tetraazol-5-yl)phenyl}amino}carbonyl)amino]-4-oxobutanamide;

40     *N*-{(1*R*)-2-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-{{{3-(1-methyl-1*H*-tetraazol-5-yl)phenyl}amino}carbonyl)amino]methyl}-2-oxoethyl)acetamide;

45     *N*-[(1*S*)-3-[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-(hexahydro-1*H*-azepin-1-ylcarbonyl)-3-oxopropyl]-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;

15 *N*-(1-{2-[*(3S)*-3-(4-fluorobenzyl)-1-piperidinyl]-2-oxoethyl}cyclopropyl)-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;

5 *N*-(*(1R)*-2-[*(3S)*-3-(4-fluorobenzyl)-1-piperidinyl]-1-{{{{3-(1-methyl-1*H*-tetraazol-5-yl)phenyl}amino}carbonyl}amino]methyl}-2-oxoethyl)-2,2-dimethylpropanamide;

10 *N*-{(1*R*)-1-{{{{5-acetyl-4-methyl-1,3-thiazol-2-yl}amino}carbonyl}amino)methyl}-2-[*(3S)*-3-(4-fluorobenzyl)-1-piperidinyl]-2-oxoethyl}-2,2-dimethylpropanamide;

15 *N*-{(1*S*)-1-{{[tert-butyl(methyl)amino]methyl}-3-[*(3S)*-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxopropyl}-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;

20 *N*-(5-acetyl-4-methyl-1,3-thiazol-2-yl)-*N'*-{(2*R*)-2-(diisobutylamino)-3-[*(3S)*-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxopropyl}urea;

25 *N*-{(2*R*)-2-(diisobutylamino)-3-[*(3S)*-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxopropyl}-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;

30 *N*-(5-acetyl-4-methyl-1,3-thiazol-2-yl)-*N'*-{(1*S*)-1-{{[tert-butyl(methyl)amino]methyl}-3-[*(3S)*-3-(4-fluorobenzyl)-1-piperidinyl]-3-oxopropyl}urea;

*N*-{(1*R*)-3-[*(3S)*-3-(4-fluorobenzyl)-1-piperidinyl]-1-methyl-3-oxopropyl}-*N'*-(4-pyridinyl)urea;

*N*-(5-acetyl-4-methyl-1,3-thiazol-2-yl)-*N'*-{ (1*R*,2*R*)-3-[ (3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-hydroxy-1-methyl-3-oxopropyl}urea;

5    *N*-(3,5-diacetylphenyl)-*N'*-{ (1*R*,2*R*)-3-[ (3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-2-hydroxy-1-methyl-3-oxopropyl}urea;

10    *N*-{3-[ (dimethylamino)methyl]phenyl}-*N'*-{ (1*R*,2*R*)-2-[(3*R*)-3-(4-fluorobenzyl)-1-piperidinyl]carbonyl}cyclohexyl)urea;

15    3-({[(1-{[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]carbonyl}cyclopropyl)amino]carbonyl}amino)benzamide;

20    *N*-(1-{[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]carbonyl}cyclopropyl)-*N'*-[2-methoxy-5-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea;

25    *N*-(1-{[(3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]carbonyl}cyclopropyl)-*N'*-[3-(5-methyl-1*H*-tetraazol-1-yl)phenyl]urea; and

30    *N*-(3,5-diacetylphenyl)-*N'*-{ (1*S*)-2-[ (3*S*)-3-(4-fluorobenzyl)-1-piperidinyl]-1-methyl-2-oxoethyl}-*N'*-[3-(1-methyl-1*H*-tetraazol-5-yl)phenyl]urea.

13. A pharmaceutical composition, comprising a pharmaceutically acceptable carrier and a

therapeutically effective amount of a compound according to Claim 1.

14. A method for modulation of chemokine receptor  
5 activity comprising administering to a patient in need  
thereof a therapeutically effective amount of a compound  
according to Claim 1.

15. A method for treating or preventing asthma,  
10 comprising administering to a patient in need thereof a  
therapeutically effective amount of a compound according  
to Claim 1.

16. A pharmaceutical composition comprising a  
15 pharmaceutically acceptable carrier and a  
therapeutically effective amount of a compound according  
to Claim 1, or a pharmaceutically acceptable salt  
thereof.

20

17. The method of claim 14 wherein modulation of chemokine receptor activity comprises contacting a CCR3 receptor with an effective inhibitory amount of the compound.

25

18. A method for treating or preventing inflammatory disorders comprising administering to a patient in need thereof a therapeutically effective amount of a compound according to Claim 12, or a pharmaceutically acceptable salt thereof.

19. A method according to Claim 18, wherein the disorder is selected from asthma, allergic rhinitis,

atopic dermatitis, inflammatory bowel diseases,  
idiopathic pulmonary fibrosis, bullous pemphigoid,  
helminthic parasitic infections, allergic colitis,  
eczema, conjunctivitis, transplantation, familial  
5 eosinophilia, eosinophilic cellulitis, eosinophilic  
pneumonias, eosinophilic fasciitis, eosinophilic  
gastroenteritis, drug induced eosinophilia, HIV  
infection, cystic fibrosis, Churg-Strauss syndrome,  
lymphoma, Hodgkin's disease, and colonic carcinoma.

10

20. The method according to Claim 19, wherein the  
disorder is selected from asthma, allergic rhinitis,  
atopic dermatitis, and inflammatory bowel diseases.

15

21. The method according to Claim 20, wherein the  
disorder is asthma.